

Title (en)
Disk transferring device

Title (de)
Plattenübertragungsgerät

Title (fr)
Moyen de transfert pour disques

Publication
EP 0737972 A1 19961016 (EN)

Application
EP 96105861 A 19960415

Priority
JP 11232295 A 19950413

Abstract (en)
Briefly, a compact disk player/changer for compact disks fits within the standard half-height disk drive form factor for computer peripherals. A disk, is inserted through an aperture and supported, at opposite contact points on its edge, between laterally movable left and right-side disk guides. The disk's left side contacts a belt revolved on the left-side disk guide. The disk's right side contacts a fixed wall on the right-side disk guide. The belt slides along a rigid wall that prevents bowing from pressure exerted by the disk's edge. Thus, the left-side disk guide presents a flat movable wall that rolls the disk into the disk player along the fixed wall. The left and right-side disk guides move laterally to accommodate the disk as it is inserted. The spacing between the disk guides, once the disk is fully supported between the disk guides, is detected by a controller to determine when a disk has been inserted. When a disk is ejected, the belt is driven until the disk spindle hole is moved beyond the aperture. This is possible because the left-side and right-side disk guides move together to force the disk out through the aperture. When a disk is inserted in the opposite direction, the disk guides are close enough together to engage the disk before it has to be inserted deeply. As the disk is inserted, the guides separate to accommodate the disk. <IMAGE>

IPC 1-7
G11B 17/22; G11B 17/04

IPC 8 full level
G11B 17/04 (2006.01); **G11B 17/051** (2006.01); **G11B 17/22** (2006.01); **G11B 17/26** (2006.01)

CPC (source: EP KR)
G11B 17/00 (2013.01 - KR); **G11B 17/04** (2013.01 - EP); **G11B 17/223** (2013.01 - EP)

Citation (search report)

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